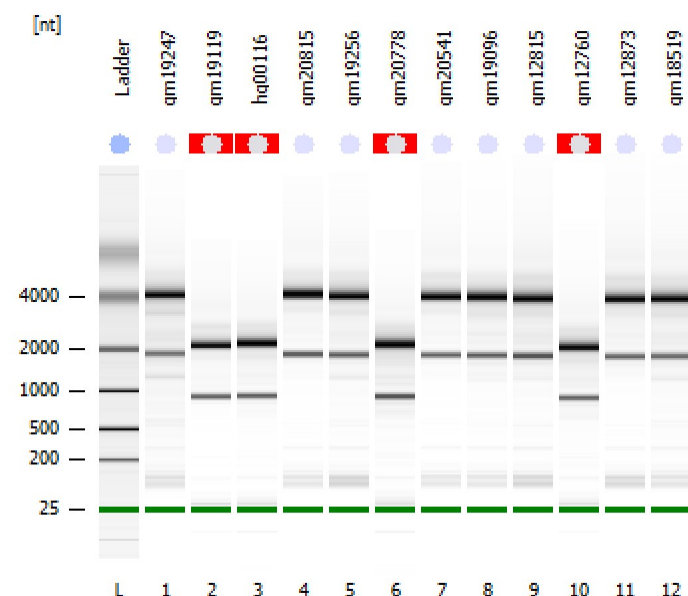


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_14-28-01.xad

Created: 10/24/2011 2:28:01 PM
Modified: 10/24/2011 2:51:05 PM

Electrophoresis File Run Summary**Instrument Information:**

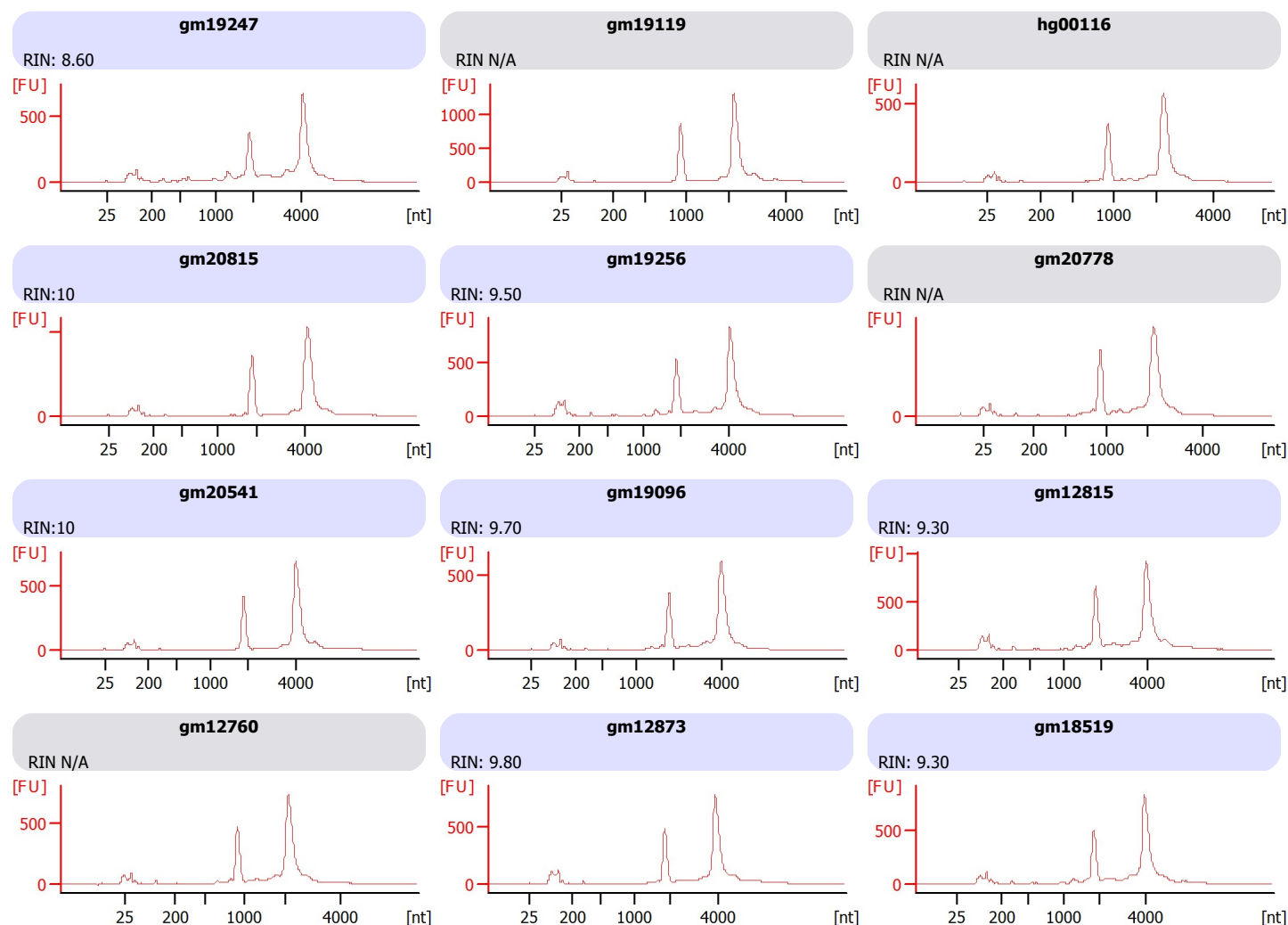
Instrument Name: DE04105537
Serial#: DE04105537
Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
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Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_14-28-01.xad

Created: 10/24/2011 2:28:01 PM
Modified: 10/24/2011 2:51:05 PM

Electrophoresis File Run Summary (Chip Summary)

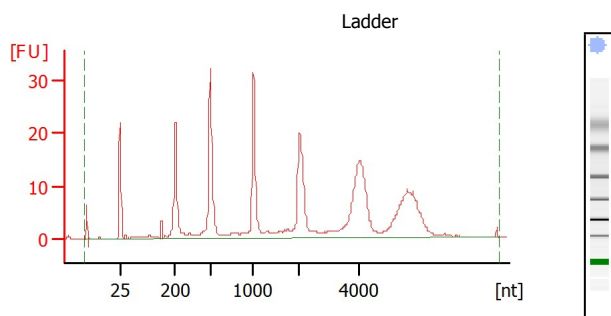
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
gm19247		✓ RIN: 8.60	
gm19119		✓ RIN N/A	
hg00116		✓ RIN N/A	
gm20815		✓ RIN:10	
gm19256		✓ RIN: 9.50	
gm20778		✓ RIN N/A	
gm20541		✓ RIN:10	
gm19096		✓ RIN: 9.70	
gm12815		✓ RIN: 9.30	
gm12760		✓ RIN N/A	
gm12873		✓ RIN: 9.80	
gm18519		✓ RIN: 9.30	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_14-28-01.xad

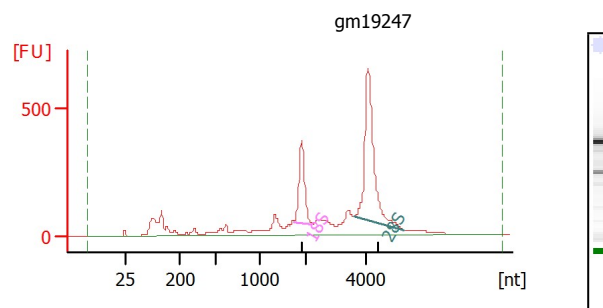
Created: 10/24/2011 2:28:01 PM
Modified: 10/24/2011 2:51:05 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 307.8
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

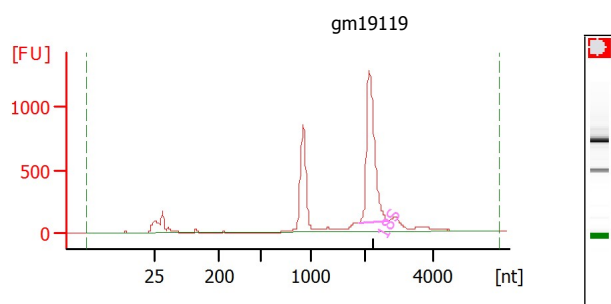


Overall Results for sample 1 : gm19247

RNA Area: 4,909.4
RNA Concentration: 2,393 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.60

Fragment table for sample 1 : gm19247

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,215	548.6	11.2
28S	3,625	5,273	1,363.3	27.8

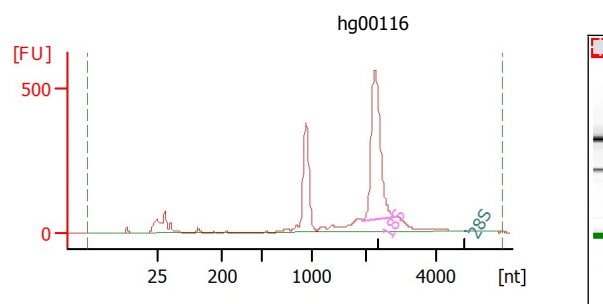


Overall Results for sample 2 : gm19119

RNA Area: 5,999.1
RNA Concentration: 2,924 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 2 : gm19119

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,898	2,710	2,478.6	41.3



Overall Results for sample 3 : hg00116

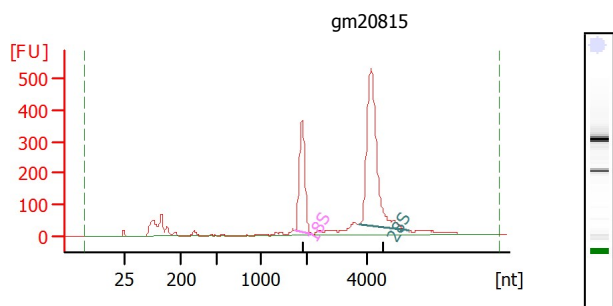
RNA Area: 3,093.0
RNA Concentration: 1,507 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 3 : hg00116

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,929	2,818	1,227.3	39.7
28S	4,819	4,843	0.0	0.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_14-28-01.xad

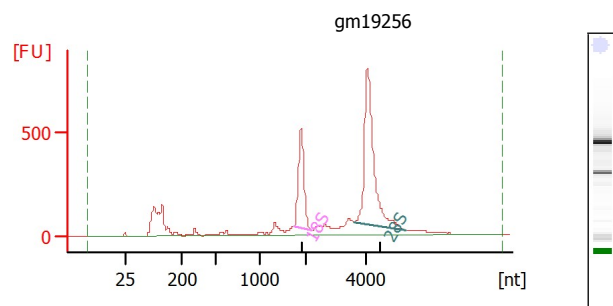
Created: 10/24/2011 2:28:01 PM
Modified: 10/24/2011 2:51:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : gm20815**

RNA Area: 2,946.6
RNA Concentration: 1,436 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 4 : gm20815

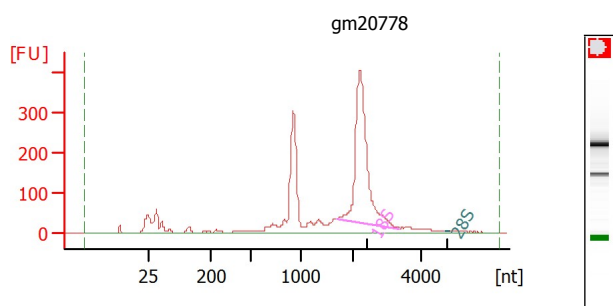
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	2,192	601.1	20.4
28S	3,698	5,357	1,308.1	44.4

**Overall Results for sample 5 : gm19256**

RNA Area: 5,305.6
RNA Concentration: 2,586 ng/μl
rRNA Ratio [28s / 18s]: 2.2
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 5 : gm19256

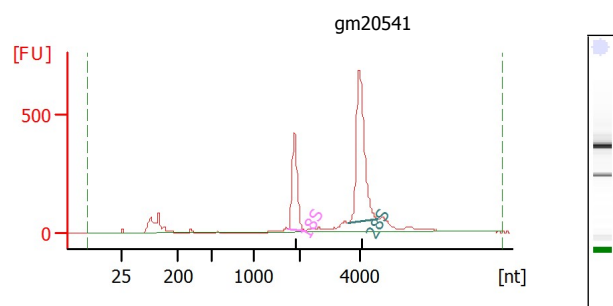
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,174	833.2	15.7
28S	3,595	5,296	1,801.2	33.9

**Overall Results for sample 6 : gm20778**

RNA Area: 2,730.5
RNA Concentration: 1,331 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 6 : gm20778

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	3,365	1,140.2	41.8
28S	4,723	4,809	0.1	0.0

**Overall Results for sample 7 : gm20541**

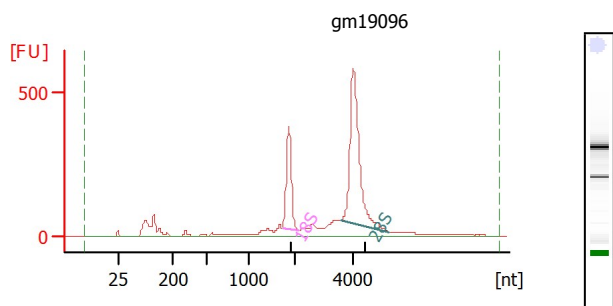
RNA Area: 3,475.2
RNA Concentration: 1,694 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 7 : gm20541

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,165	669.3	19.3
28S	3,625	4,603	1,347.4	38.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_14-28-01.xad

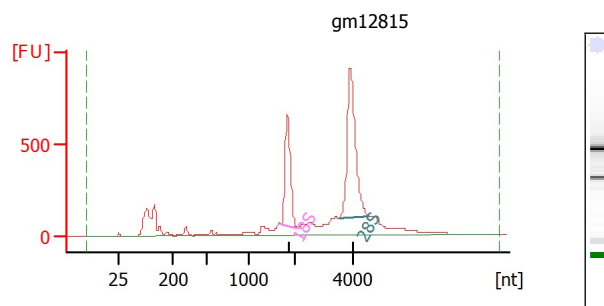
Created: 10/24/2011 2:28:01 PM
Modified: 10/24/2011 2:51:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : gm19096**

RNA Area: 3,522.4
RNA Concentration: 1,717 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 9.7 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.70

Fragment table for sample 8 : gm19096

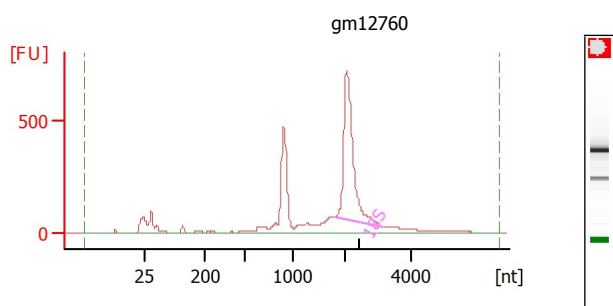
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,718	2,105	577.1	16.4
28S	3,574	5,172	1,326.1	37.6

**Overall Results for sample 9 : gm12815**

RNA Area: 6,590.8
RNA Concentration: 3,212 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 9 : gm12815

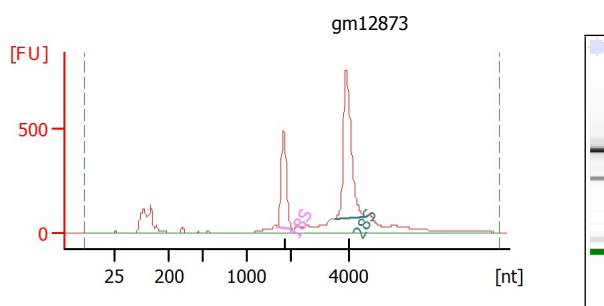
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,706	2,117	1,058.5	16.1
28S	3,535	4,581	1,814.9	27.5

**Overall Results for sample 10 : gm12760**

RNA Area: 4,277.2
RNA Concentration: 2,084 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 10 : gm12760

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,833	3,178	1,660.8	38.8

**Overall Results for sample 11 : gm12873**

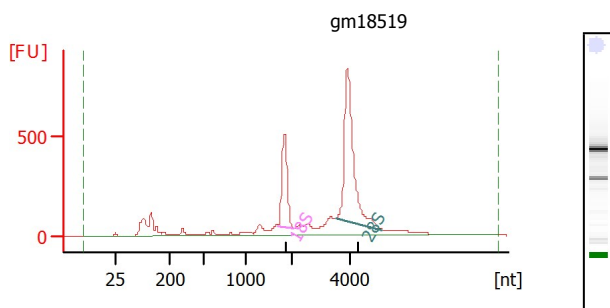
RNA Area: 4,679.3
RNA Concentration: 2,280 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.80

Fragment table for sample 11 : gm12873

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	2,085	761.9	16.3
28S	3,527	4,536	1,486.5	31.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_14-28-01.xad

Created: 10/24/2011 2:28:01 PM
Modified: 10/24/2011 2:51:05 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm18519**

RNA Area: 5,482.3
RNA Concentration: 2,672 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 12 : gm18519

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,695	2,102	773.3	14.1
28S	3,509	5,102	1,822.4	33.2